
STATE OF ILLINOIS
ILLINOIS COMMERCE COMMISSION

COMMONWEALTH EDISON COMPANY)

Petition for declaration of service currently
provided under Rate 6L to 3 MW and greater
customers as a competitive service pursuant to
Section 16-113 of the Public Utilities Act and
approval of related tariff amendments.)

OFFICIAL FILE

Docket No. 02 - 0479

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9/16/02

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REVISED
Rebuttal Panel Testimony of

PAUL R. CRUMRINE

Director, Regulatory Strategies & Services
Commonwealth Edison Company

and

DENNIS F. KELTER

Senior Regulatory Specialist, Regulatory Strategies & Services
Commonwealth Edison Company

September 2002

1 **Q. Please state your names and business addresses.**

2 A. My name is Paul Crumrine. My business address is 227 W. Monroe, 9th floor, Chicago,
3 IL 60606.

4 My name is Dennis Kelter. My business address is also 227 W. Monroe, 9th floor,
5 Chicago, IL 60606.

6 **Q. Did you provide the Direct Panel Testimony of Paul R. Crumrine and Dennis F.**
7 **Kelter in this docket?**

8 A. Yes, we did.

9 **Q. Have you reviewed the direct testimony of the intervenor witnesses in this docket?**

10 A. Yes, we have.

11 **Q. What is the purpose of your rebuttal testimony?**

12 A. Our rebuttal testimony addresses four principal issues raised by the intervenors'
13 witnesses:

- 14 1. The purported lack of services "reasonably equivalent" to the service
15 provided under Rate 6L – Large General Service ("Rate 6L") from sources
16 unaffiliated with Commonwealth Edison Company ("ComEd");
- 17 2. The suggestion that customers do, and will in the future, find Rate 6L
18 more attractive than the likely competitive alternatives;
- 19 3. The suggestion that Customer Transition Charges ("CTCs") are an
20 insurmountable impediment to competition; and
- 21 4. The suggestion that the anecdotal experience of the individual customer
22 witnesses is indicative of a lack of competitive alternatives to Rate 6L.

23 **Q. Please summarize your rebuttal testimony.**

24 **A. In our rebuttal testimony, we conclude that:**

- 25 1. There are “reasonably equivalent substitute service[s]” available at
26 “comparable prices” to service under Rate 6L as evidenced by customer
27 selection of those alternatives. The standard that the intervenors seek to
28 impose – that ComEd show that unaffiliated Retail Electric Supplier
29 (“RESs”) offer services identical to Rate 6L and that all customers
30 presently have available an economically superior alternative to Rate 6L--
31 is unrealistic, unworkable, and contrary to the language of the Public
32 Utilities Act (the “Act” or the “statute”).
- 33 2. The potential savings likely available to customers who choose unbundled
34 alternatives over Rate 6L over the next three years make it highly unlikely
35 that approval of ComEd’s Petition will lead to the wholesale return of
36 customers to Rate 6L.
- 37 3. Changes in market values or distribution and transmission services costs
38 are matched by equal and offsetting changes in the CTC until the CTC
39 becomes zero. As a result, these factors are not an impediment to
40 sustainable competition.
- 41 4. The anecdotal experience of the individual customers recounted in the
42 intervenors’ testimony are not indicative of a failure of competition
43 generally. Indeed, the fact that some of those customers have opted to
44 take service from a RES unaffiliated with ComEd shows that the offerings
45 of those RESs are comparable, or superior, to Rate 6L.

46 **The Reasonable Availability of “Reasonably Equivalent Substitute Service”**

47 **Q. Are you generally aware of the provisions of the Public Utilities Act that pertain to**
48 **information that must be considered by the Illinois Commerce Commission (“ICC”**
49 **or the “Commission”) in determining whether to grant ComEd's petition in this**
50 **case?**

51 **A. Yes. The relevant passage is contained in Section 16-113 (a) of the Act. It states in part:**

52 “The Commission shall declare the service to be a competitive
53 service for some identifiable customer segment or group of
54 customers, or some clearly defined geographical area within the
55 electric utility's service area, if the service or a reasonably
56 equivalent substitute service is reasonably available to the
57 customer segment or group or in the defined geographical area at a
58 comparable price from one or more providers other than the
59 electric utility or an affiliate of the electric utility, and the electric
60 utility has lost or there is a reasonable likelihood that the electric
61 utility will lose business for the service to the other provider or
62 providers...” (emphasis added)

63 **Q. A number of witnesses (e.g., Swan, Fults, Chalfant, Stephens, and Bodmer) suggest**
64 **that the evidence provided in your direct testimony does not establish that “a**
65 **reasonably equivalent substitute service is reasonably available” to the affected**
66 **customer segment. Do you agree?**

67 **A. No. These witnesses would ask the Commission to ignore the evidence that customers**
68 **are finding reasonably equivalent service offerings and instead set a threshold that would**
69 **be impossible to ever meet. The evidence we provided shows that 31% of the customers**
70 **in the 3 MW and above group have opted to take service from an unaffiliated RES over**
71 **service under Rate 6L. See PRC-DFK Attachments 1 and 4. This evidence clearly**
72 **establishes that a significant number of customers are finding RES supplied alternatives**

73 to bundled service. Indeed, as Mr. Chalfant observes, this data "... demonstrates that
74 marketers can buy and resell electricity at prices lower than Rate 6L." See Direct
75 Testimony of A. Chalfant, p. 17, lines 5-6. The essential, and un rebutted, foundation of
76 ComEd's petition is that 3 MW and greater customers have found, and are finding,
77 alternatives to bundled Rate 6L service that are sufficiently attractive to them to switch.

78 **Q. What conditions do the witnesses suggest would be necessary before the**
79 **Commission could declare service to Rate 6L customers of 3 MW or greater to be**
80 **competitive?**

81 A. They ask the Commission to require that RESs provide services to customers that are in
82 all ways "identical" to Rate 6L before such service can be declared competitive. They
83 also suggest that "all" customers must have an economically superior alternative to Rate
84 6L before the service can be declared to be competitive.

85 **Q. Based on your review of their testimony, what do the intervenors mean when they**
86 **say that the service from RESs must be "identical" to Rate 6L?**

87 A. When the other parties say "identical," they mean:

- 88 1. RES service must contain a fixed, frozen price for the entire bundled service
89 including delivery services that are otherwise provided by ComEd on an unbundled
90 basis under Rate RCDS – Retail Customer Delivery Services ("Rate RCDS").
- 91 2. The price for RES service must remain fixed and constant until the end of 2006.
- 92 3. RES service must be fully hedged for the customer on all price components.

- 93 4. RES service must be as easy to acquire as Rate 6L, i.e., no need to issue an Request
94 for Proposal ("RFP"), no requirement to evaluate bids, no need for analysis, no
95 negotiation, no contract to review.
- 96 5. The price offer from the RES must be held open for an unspecified amount of time.
- 97 6. RES service must permit "all" customers to have an ability to beat Rate 6L with a
98 competitive offering, regardless of the customer's load shape or existing rate options.
- 99 7. RES service must provide the full insurance policy of a price ceiling.

100 **Q. What is your reaction to that standard?**

101 A. In our view, it is entirely unrealistic to expect a RES to provide service under these
102 precise conditions. We also believe that this standard is inconsistent with the requirement
103 that alternatives be shown to provide a "reasonably equivalent substitute service" at a
104 "comparable price." The language of the Act does not impose a requirement for the
105 "reasonably equivalent substitute service" to be "identical" to Rate 6L, and the
106 Commission should reject this view.

107 **Q. Would you please describe the general characteristics of Rate 6L that exist in
108 today's regulatory environment?**

109 A. Rate 6L is a service designed for the former regulatory regime that existed prior to the
110 restructuring of the Illinois electricity markets in late 1997. Rate 6L is applicable to all
111 customers 1 MW or greater, not just those of 3 MW or greater that are the subject of
112 ComEd's petition in this docket. The price structure in Rate 6L does not reflect current
113 market conditions. Rate 6L has been frozen at price levels based on cost of service that
114 existed in 1995 when ComEd provided fully bundled service as a vertically integrated

115 utility. The 1995 rate level for Rate 6L was averaged for cost of service over a wide
116 range of customers containing two specific subclasses, 1 – 10 MW customers and over 10
117 MW customers. The rate level contains whatever interclass and intraclass subsidies
118 existed in the Commission's 1995 rate order. Finally, Rate 6L has been frozen at its
119 current level as a transition mechanism by the Act.

120 **Q. What do you conclude from this?**

121 A. Given its origin and structure, it is not surprising, in fact it is predictable that not "all"
122 customers can obtain service offerings from RESs that are "identical" to the prices, terms
123 and conditions of Rate 6L. It is also not surprising that some customers have never left
124 Rate 6L service. As we described in our direct testimony, there are some customers that
125 are completing the term of a specially negotiated contract entered into before the
126 adoption of the Restructuring Act in 1997. For those customers who prefer Rate 6L, they
127 can – if ComEd's petition were granted --choose to remain on it for the duration of the
128 grandfathering period.

129 **Q. Illinois Industrial Energy Consumers ("IIEC") witness Robert R. Stephens**
130 **suggested that the ICC should look to actual RES contracts with customers to**
131 **evaluate the availability of reasonably equivalent services at comparable prices. (p.**
132 **5). Do you agree with his suggestion?**

133 A. No.

134 **Q. Why not?**

135 A. First of all, because ComEd does not have, nor should it have, access to such contracts.
136 We imagine that if we asked some of Mr. Stephens' clients to publicly reveal the contents

137 of their agreements with RESs that they would vigorously object. It is common practice
138 in the procurement of electricity that customers closely guard the cost of the inputs to
139 their finished products from the eyes of their competitors and view such contracts as
140 confidential business information.

141 In addition, many witnesses in this case have described the competitive arrangement with
142 a RES as not only confidential between the parties, but the result of competitive bidding
143 and individual negotiations. These individual negotiations result in agreements that are
144 customized for the specific mutual needs of the RES and the customer. Making the
145 contracts public would defeat the entire purpose of confidential negotiations.

146 Finally, even if the ICC had access to the contracts, it is unclear what actions it could take
147 to review their contents. How would the Commission ever determine that a signed
148 agreement was not sufficiently equivalent or contained sufficiently comparable prices?
149 How would the Commission incorporate value potentially added by the supplier to the
150 customer via other separate, non-commodity products? Would the Commission ever be
151 able to determine anything other than that a contract was signed to the mutual agreement
152 of the two parties that signed it? The answer to this question is obvious. Clearly, the
153 Commission is in no position to evaluate any of these issues, nor should it be. Thus,
154 there is no practical benefit to Mr. Stephens' suggestion to evaluate the contents of
155 contracts entered into between customers and suppliers. His recommendation should be
156 rejected.

157 **Q. What is your opinion on the suggestion that “all” customers of 3 MW or greater**
158 **should have an acceptable alternative to Rate 6L before it can be declared**
159 **competitive?**

160 A. Once again, there is no effective way for the Commission to make this determination.
161 The only way to know for sure is that “all” customers have what they view as an
162 acceptable alternative would be if 100% of the customers of 3 MW or greater have
163 actually left Rate 6L service. It is unrealistic to believe that this condition will ever exist.
164 Moreover, the language of the Act calls for loss or imminent loss of customers, it does
165 not require total loss of market share by the utility to occur before the Commission can
166 declare a service to be competitive.

167 **Q. Please summarize your position on the sufficiency of the customer switching data**
168 **that you presented in your direct testimony to support the Commission’s**
169 **determination that service to Rate 6L customers of 3 MW and greater should be**
170 **declared competitive?**

171 A. The ComEd customers of 3 MW and greater are a diverse group with varying electricity
172 needs. As we said in our direct testimony, the customer is in the best position to
173 determine what is an equivalent service at a comparable price. Buyers and sellers
174 negotiating terms that are satisfactory to both parties is a characteristic of open markets.
175 Switching statistics are the best reflection of the results of these complex market
176 dynamics. In our view, the Commission should look to the market evidence and let it
177 speak for itself.

178 **Q. What trends have you observed in customer switching since the implementation of**
179 **choice in 1999?**

180 A. Dr. Haas (pages 16 and 17) and Mr. Chalfant (page 6) suggest that there has been little
181 switching among the customers in the 3 MW and greater segment to unbundled service in
182 the last two years. First, Dr. Haas' chart (on page 17 of his testimony) contains data
183 concerning many customers that are not directly affected by ComEd's petition, which has
184 the effect of masking the switching behavior of the affected customers. Second, although
185 it is clear that many Rate 6L customers switched to unbundled alternatives quickly upon
186 being given that alternative, there has been a steady increase in the number of 3 MW and
187 greater customers choosing to leave Rate 6L for unbundled services over the last several
188 years. Using the data from ComEd's response to Data Request 1-4 propounded by the
189 United States Department of Energy and Attachment PRC-DFK 4, we have charted the
190 number of customers of 3 MW and greater taking bundled service (less those on active
191 special contracts) at the beginning of the past three Applicable Period A time periods.
192 *See Attachment PRC-DFK R-1. This chart shows a clear, significant, and steady*
193 *downward trend in the number of customers taking bundled service over time. At the*
194 *same time, there has been a steady upward trend in customers taking service from an*
195 *unaffiliated RES during the same time period. See Attachment PRC-DFK R-2. This*
196 *evidence demonstrates that the market is not stagnant and that more customers have been*
197 *progressively finding alternatives to bundled service that are sufficiently attractive to*
198 *switch over time.*

199 **The Comparative Cost of Service Under Rate 6L and Unbundled Alternatives and the**
200 **Impact of the CTC**

201
202 **Q. A number of parties have suggested that if ComEd's petition were granted,**
203 **customers will return in significant numbers to Rate 6L while it is still available.**
204 **(See, e.g., Direct Testimony of D. Swan, p. 4). Do you agree?**

205 **A.** No. Contrary to the assertions of those witnesses, the economics strongly suggest that
206 customer choice of unbundled delivery services and competitively-supplied electric
207 power and energy will continue to grow over at least the next several years.

208 **Q. On what do you base this conclusion?**

209 **A.** Using a set of very conservative assumptions, we have compared the cost of electricity to
210 a representative 7 MW manufacturing customer under Rate 6L to the costs the customer
211 would incur taking a combination of unbundled delivery services and competitively-
212 supplied electric power and energy for the first two years that ComEd's petition would be
213 effective, *i.e.* June 2003 through May 2005. This analysis is set forth in Attachment
214 PRC-DFK R-3. Under Rate 6L, the customer's costs are approximately \$2.72 million per
215 year or 6.21 cents/kWh. Using current delivery costs and market values for electric
216 power and energy that are conservatively assumed to be 20% higher than the market
217 values applicable during the current Applicable Period A, the customer's total annual cost
218 for the annual period from June 2003 through May 2004 would be approximately \$2.43
219 million, or 5.54 cents/kWh. The customer therefore can save approximately \$290,000 in
220 that year, or 0.67 cents/kWh, by opting for unbundled services. Based on this analysis,
221 the customer could likely achieve significant saving by taking unbundled services. In the
222 face of such significant savings, wholesale return to Rate 6L is unlikely.

223 **Q. How does the customer's CTC impact this analysis?**

224 A. Based on the assumptions concerning market values made in Attachment PRC-DFK R-3,
225 the customer's CTC would be 1.492 cents/kWh for the period from June 2003 through
226 May 2004. The fact that the customer would enjoy the potential savings under unbundled
227 services described above with this level of CTC demonstrates that the CTC itself is not an
228 impediment to customers obtaining attractive competitive alternatives to bundled service.
229 In fact, the savings inherent in the mitigation factor are available to the customer so long
230 as the CTC remains a positive value.

231 **Q. What does your analysis show about potential savings available to customers**
232 **choosing unbundled services in subsequent years?**

233 A. Attachment PRC-DFK R-3 also shows the potential savings available during the annual
234 period from June 2004 through May 2005. For that period, we conservatively increased
235 the market value by an additional 20% for a total increase of 44% from current
236 Applicable Period A market values. This analysis shows that the customer would enjoy
237 savings of approximately \$310,000 in that year if it took unbundled services as opposed
238 to service under Rate 6L. The customer's total cost for unbundled service is 5.50
239 cents/kWh with a CTC of 0.865 cents/kWh before 2005, and 0.802 cents/kWh thereafter
240 because of the statutory increase in the mitigation factor. Again, significant savings are
241 available.

242 Of particular note, it appears to us that the intervenors' witnesses have failed to consider
243 the savings from the first year (*i.e.*, June 2003 through May 2004) in analyzing the
244 economics of customer choice in subsequent years. Our analysis suggests that the market

value of electric power and energy would have to increase precipitously (approximately 131% from current Period A market values) to above 5.87 cents/kWh in the second year in order for the customer to pay more in taking unbundled services for the first two years during which ComEd's petition would be effective than the customer would pay to take Rate 6L service for the same two-year period. We arrive at this conclusion in the following manner:

Rate 6L – Delivery Services + First Year Savings equals
Break Even Market Value for Year Two

$$\text{or } 6.21¢ - 1.01¢ + 0.67¢ = 5.87¢$$

While theoretically possible, the chances for such a market value in year two are rather remote in a market place with ample generation. As a point of reference, the highest Applicable Period A Load Weighted Average Market Value ("LWAMV") for the 6-10 MW customer class since the beginning of customer choice has been approximately 4.5 cents/kWh.

Q. Do the comparative costs of service under Rate 6L and the unbundled alternatives continue to favor unbundled alternatives into the third year?

Yes. The savings from the first two years ($0.67¢ + 0.71¢ = 1.38¢$) could be used to offset an extremely high market value of over 6.5 cents/kWh in the third year and still be equivalent to the economics of bundled service over the entire three year period. Thus, one would have to expect a large near-term market price increase in order to forgo the nearly one million dollars in savings for this customer during the next three years. While this example is only for one customer, we believe the dynamic that it illustrates makes it

269 unlikely that many customers will forgo significant potential savings and return to
270 bundled service next year if ComEd's petition is granted.

271 **Q. Mr. Fults suggests that customers will not switch to, or remain with, RES service in**
272 **the face of exposure to potential increases in distribution and transmission costs.**
273 **(pp. 7-8, 11). How does volatility in distribution and transmission services costs**
274 **affect the foregoing analysis?**

275 A. Because the customer's CTC declines as distribution and transmission costs increase, the
276 customer would continue to enjoy considerable savings in both future years even if
277 distribution and transmission service costs were to increase significantly along with
278 increases in the market value. Using the same customer data and assumptions as in
279 Attachment PRC-DFK R-3, we repeated those calculations in Attachment PRC-DFK R-4
280 assuming the worst-case scenarios suggested by Mr. Fults: a 50% increase in distribution
281 charges and a 100% increase in transmission charges. See Direct Testimony of Bradley
282 O. Fults, pp. 7-8. In short, because of this "CTC offset," the economics -- and the
283 potential savings available to customers choosing unbundled services over Rate 6L -- are
284 the same.

285 **Q. What do you conclude from Attachments PRC-DFK R-3 and R-4?**

286 A. A substantial increase in both the market value of electric power and energy and
287 distribution and transmission services would have to occur in the near-term in order for
288 bundled rates under Rate 6L to be more attractive than unbundled alternatives for many
289 of the customers that are in the 3 MW and greater group. Admittedly, individual
290 customer results may vary from those set forth in Attachments PRC-DFK R-3 and R-4.

291 However, as in the past, each customer should consider its options next year carefully
292 before readily returning, or staying on, bundled service.

293 In fact, the results set forth in Attachments PRC-DFK R-3 and R-4 suggest that approval
294 of ComEd's petition could very well lead to increased long-term contracting between
295 customers and RESs. Based on the potential savings available under even the
296 conservative assumptions we have employed, one can foresee RESs offering three-year
297 guaranteed savings contracts or long-term Rate 6L like contacts (with a percentage
298 discount) to customers next year. Dr. Swan states that he plans to request this type of
299 long-term contract next year in his RFP process for his clients. See Direct Testimony of
300 D. Swan, pp. 23-24. The result would be that customers will have long-term contracts
301 with the energy charges and CTC being in sync. We believe RESs will be able to
302 respond to this type of request given the relatively low market prices currently present in
303 the marketplace and the expectation for the continuation of these relatively low levels in
304 the presence of abundant capacity in the Midwest. We have just demonstrated that there
305 is plenty of room for market values to increase before open access costs would exceed
306 bundled service rates in the future because of the CTC offset.

307 **The Significance of the Individual Customer Witness Experiences**

308 **Q. Have you reviewed the testimony of the witnesses describing the experiences of**
309 **certain customers in seeking competitive alternatives to Rate 6L within the ComEd**
310 **service area?**

311 **A.** Yes, we have reviewed the testimony of Dr. Swan regarding the experience of the federal
312 agencies with whom he works, the testimony of Mr. Walter regarding the experience of

the City of Chicago, and the testimony of Messrs. Kelly and Hauk regarding the experiences of Caterpillar and Ford Motor Company respectively.

Q. What do you conclude from the testimony of Messrs. Swan and Walter?

A. This testimony highlights the fact that markets are dynamic in that customers requests various products in their RFPs and suppliers respond as best as they can to meet those requests. Simply put, a learning process occurs, which is most appropriate and expected during the existing transition period. Thus, one should not equate the inability of numerous suppliers to completely comply with the wishes of a few unique customers as a failure of the market place. For example, the City's RFP was issued in July 2000 – less than a year into open access. Thus, it may not be surprising that some suppliers were apprehensive about entering a long-term contract of at least three years in length. Some RESs may also have been unable to address the special environmental components of the RFP. Lastly, many of the City accounts are taking service under Rider GCB – Governmental Consolidated Billing, which has some unique billing characteristics that makes it more difficult for a supplier to provide guaranteed savings. In light of these factors, the City's experience is of relatively little relevance to the experience of most customers in the 3 MW and above group.

Likewise, the experience of the federal agencies, who have very unique and stringent contracting requirements, as discussed in Dr. Swan's testimony, says very little about the experience of other customers who have demonstrably been able to locate attractive competitive alternatives to Rate 6L. Also, Dr. Swan compares the success of the Defense Energy Supply Center ("DESC") in obtaining competitive power and energy in other

jurisdictions (*e.g.*, California, Pennsylvania, New Jersey, Maryland, Maine, Texas, and the District of Columbia) in which "...some form of POLR or Standard Offer service is available," and suggests that its failure to do so in Illinois is indicative of some market defect here. *See* Direct Testimony of D. Swan, p. 14. Because none of those jurisdictions appear to have a POLR service along with the equivalent of the Power Purchase Option ("PPO") as in Illinois, comparisons to those states are not especially instructive. In any event, these concerns do not appear to be attributable to the continued availability of Rate 6L.

Q. What do you conclude from the testimony of Messrs. Kelly and Hauk?

A. We feel this testimony reflects the experiences of two individual customers in open access, but it does not reflect the inability of customers in general to find alternatives to bundled service, as shown in our direct testimony. Indeed, the fact that none of the Caterpillar facilities in ComEd's service area are taking service under Rate 6L is evidence of the availability of attractive competitive alternatives. The fact that Caterpillar did not receive what it regarded as a favorable response from the current supplier to one of its facilities, which was the only RES from whom an RFP was solicited, is hardly indicative of an absence of viable competitive alternatives in the marketplace. In fact, the "wait and see" approach recommended by Caterpillar's advisors is hardly surprising given the pendency of this docket.

Likewise, the experience of Ford Motor Company discussed by Mr. Hauk is not an indictment of the viability of the market. Some customers, such as Ford, entered into long-term contracts last year with a fixed market price, but were exposed to changes in

357 the CTC. These customers entered into fixed-price, multi-year contracts for energy last
358 year based on their own assessment of future market values, which likely would have
359 produced savings in excess of the mitigation factor savings had market values increased.
360 The fact that market values decreased instead and these customers' bills may have
361 increased above Rate 6L rate levels demonstrates only that these contracts turned out, at
362 least temporarily, to be a poor choice. This also shows that even fixed price contracts
363 contain a measure of risk should prices fall rather than increase.

364 However, this decision was made by customers with the expectation that the RESs' fixed
365 price offering would be more than comparable to Rate 6L, and provide real savings for
366 the customers. Hence, the fact that, at any given point in time, some RES customers may
367 be paying higher rates than they would have paid under Rate 6L is no more relevant than
368 the fact that some RES customers may be paying less. Both cases evidence the existence
369 of at least comparable—or potentially superior—price offerings. Otherwise the
370 customers would not have switched suppliers in the first instance.

371 Finally, as we previously noted, the prospects for customers such as Caterpillar and Ford
372 to enjoy savings taking unbundled service appear very positive for the next few years.
373 Accordingly, the fact that they currently may find Rate 6L to be potentially attractive
374 does not suggest that they will – contrary to their prior conduct -- opt to return to Rate 6L
375 at any point in the future.

376 Q. Can you add anything regarding the customers associated with the IIEC and the
377 Chicago Area Customer Coalition ("CACC") that are participating in this
378 proceeding?

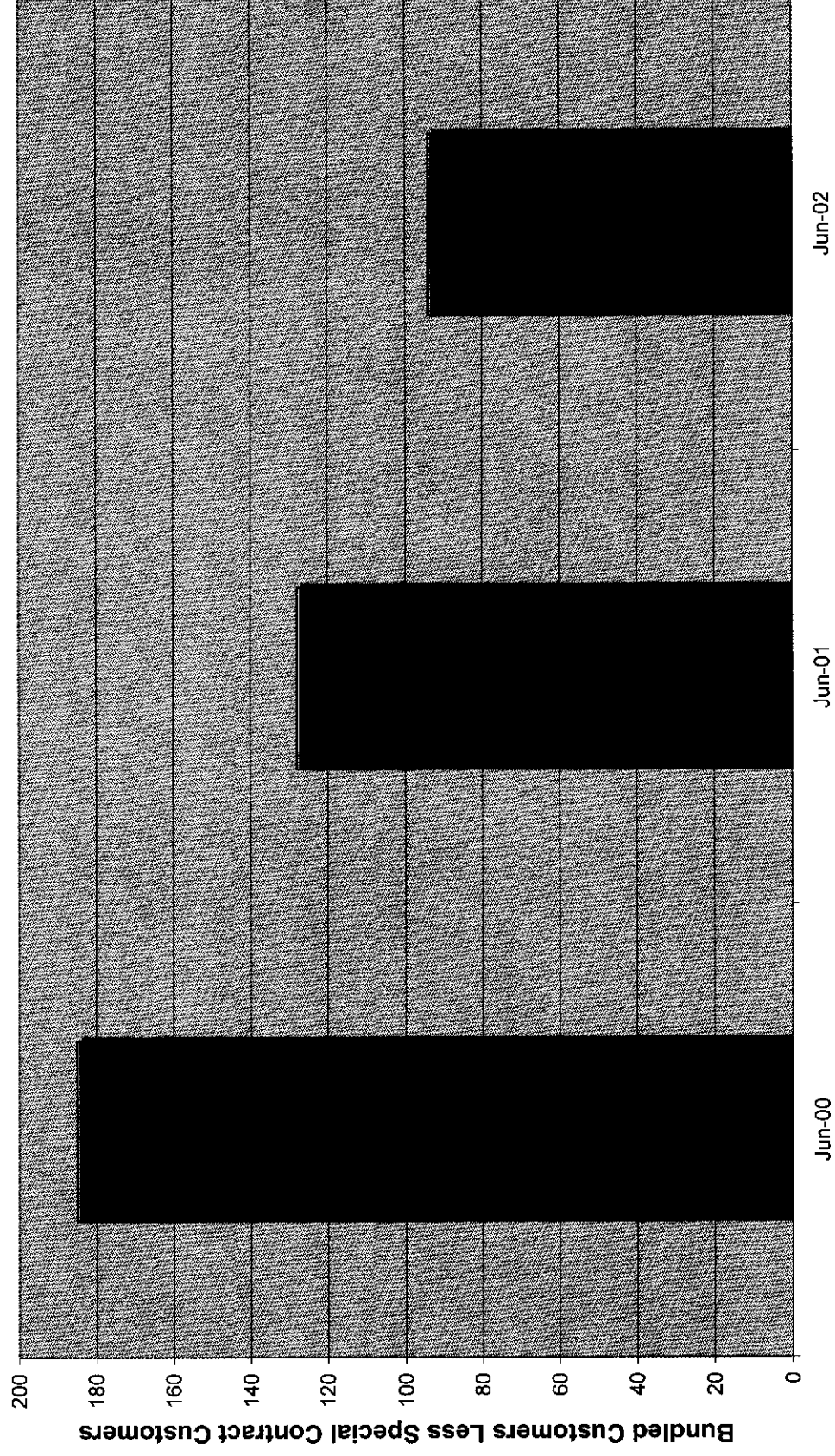
379 A. Yes. Leaving aside the Metropolitan Chicago Healthcare Council, whose members are
380 not identified and are not directly participating in this proceeding, the firms participating
381 in this proceeding as the IIEC and CACC appear to represent approximately 5% of the
382 373 customer locations in the 3 MW and above group. Of that 5%, 67% are currently
383 taking service from a non-affiliate RES. The remainder are taking bundled service, with
384 some taking service under special contracts that reflect the competitive options that they
385 previously had available to them. The choices of these customers plainly confirm the
386 availability of attractive alternatives to service under Rate 6L. |

387 **Conclusion**

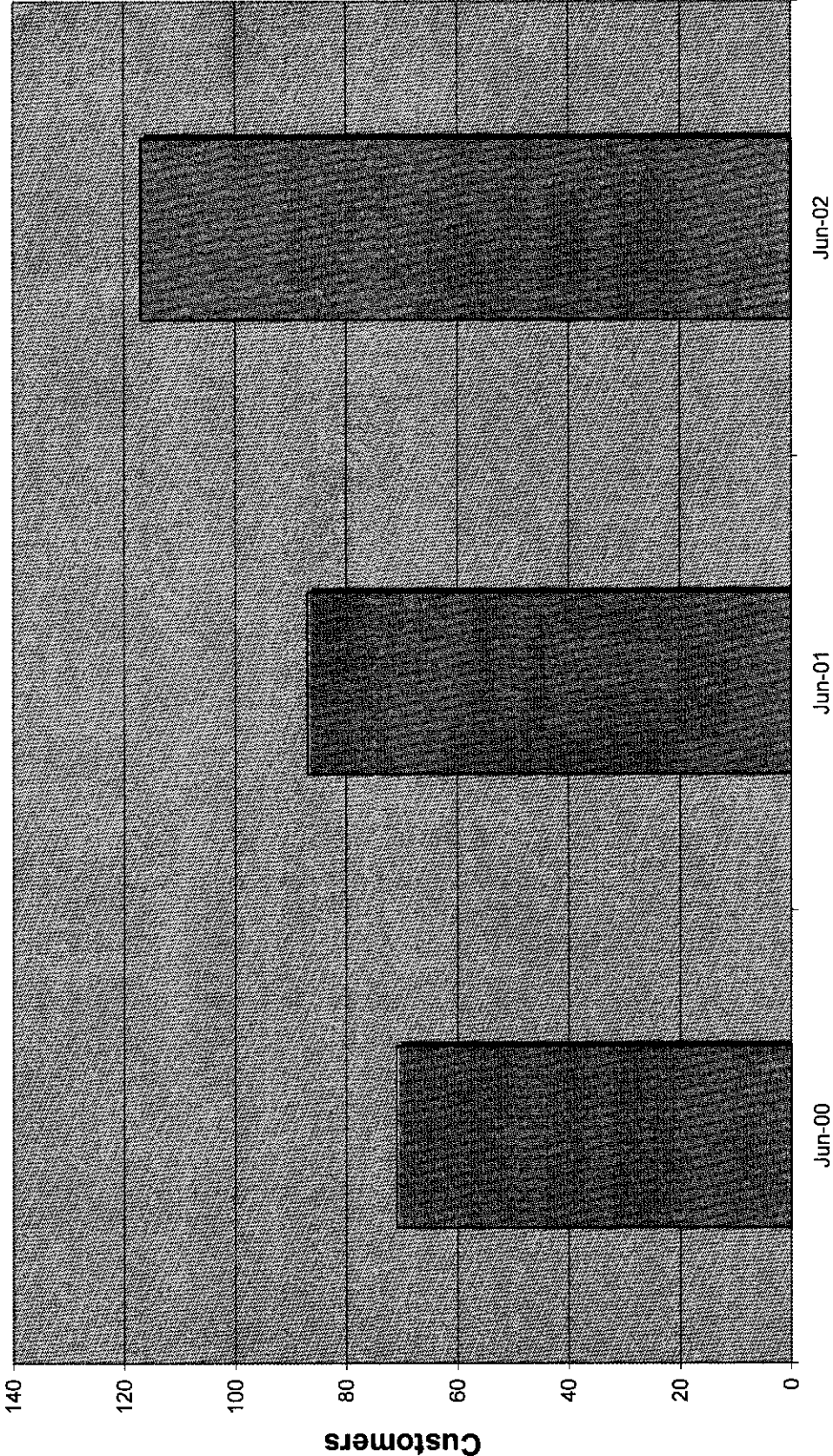
388 Q. Does this conclude your rebuttal testimony?

389 A. Yes, it does.

Bundled Customer Trend for Customers 3MW or Greater



Non-Affiliate RES Customers Over Time



ATTACHMENT PRC-DFK R-3

Sample Calculations for a Manufacturing Customer under Current DS and Higher MVEC Charges

(I)									
SAMPLE CALCULATION UNDER RATE 6L									
Peak Billing Demand (kW)	On Peak Energy (kWh)	Off Peak Energy (kWh)	Customer Charge	Demand Charge (less than 10 MW)	Peak Energy Charge	Off Peak Energy Charge	Total Bill		
Jan	7,013	1,422,238	2,100,195	\$246.39	\$12.85	\$0.05022	\$0.02123	\$206,375	
Feb	6,939	1,258,868	2,134,025	\$246.39	\$12.85	\$0.05022	\$0.02123	\$197,939	
Mar	7,209	1,308,434	2,463,767	\$246.39	\$12.85	\$0.05022	\$0.02123	\$210,894	
Apr	7,239	1,447,675	2,054,777	\$246.39	\$12.85	\$0.05022	\$0.02123	\$209,599	
May	7,313	1,733,994	1,983,784	\$246.39	\$12.85	\$0.05022	\$0.02123	\$223,416	
Jun	7,734	1,769,069	2,124,978	\$246.39	\$16.41	\$0.05022	\$0.02123	\$261,111	
Jul	7,861	1,783,410	2,497,907	\$246.39	\$16.41	\$0.05022	\$0.02123	\$271,841	
Aug	7,870	1,961,791	2,472,856	\$246.39	\$16.41	\$0.05022	\$0.02123	\$280,418	
Sep	7,413	1,544,445	1,876,049	\$246.39	\$16.41	\$0.05022	\$0.02123	\$239,292	
Oct	7,152	1,750,581	1,938,142	\$246.39	\$12.85	\$0.05022	\$0.02123	\$221,212	
Nov	7,502	1,531,461	1,844,760	\$246.39	\$12.85	\$0.05022	\$0.02123	\$212,717	
Dec	7,289	1,116,798	1,694,888	\$246.39	\$12.85	\$0.05022	\$0.02123	\$185,973	
Totals	(A)	(B)	(C)					\$2,720,788	
								Cost in Cents per kWh	
								(C)/((A)+(B))*100	6.21

(II)									
SAMPLE CALCULATION UNDER DELIVERY SERVICE AND MARKET VALUE ENERGY CHARGES FOR 2003-2004									
CTC with January 1, 2003 Mitigation Factor, Current DS Charges and Market Value Energy Charges filed April 11, 2002 Increased 20%									
Peak Demand (kW)	On Peak Energy (kWh)	Off Peak Energy (kWh)	Customer and Metering Charge	Distribution Facilities Charge \$/kW	Transmission Service Charge \$/kWh	CTC	Market Value On Peak	Market Value Off Peak	Total Bill
Jan	7,144	1,422,238	2,100,195	\$379.47	\$3.61	\$0.00260	\$0.01492	\$0.03360	\$185,235
Feb	7,211	1,258,868	2,134,025	\$379.47	\$3.61	\$0.00260	\$0.01492	\$0.03360	\$178,515
Mar	7,233	1,308,434	2,463,767	\$379.47	\$3.61	\$0.00260	\$0.01492	\$0.03360	\$194,688
Apr	7,329	1,447,675	2,054,777	\$379.47	\$3.61	\$0.00260	\$0.01492	\$0.03360	\$185,334
May	7,365	1,733,994	1,983,784	\$379.47	\$3.61	\$0.00260	\$0.01492	\$0.03360	\$197,182
Jun	7,831	1,769,069	2,124,978	\$379.47	\$3.61	\$0.00260	\$0.01492	\$0.05432	\$235,086
Jul	7,881	1,783,410	2,497,907	\$379.47	\$3.61	\$0.00260	\$0.01492	\$0.05432	\$250,222
Aug	7,988	1,961,791	2,472,856	\$379.47	\$3.61	\$0.00260	\$0.01492	\$0.05432	\$262,486
Sep	7,502	1,544,445	1,876,049	\$379.47	\$3.61	\$0.00260	\$0.01492	\$0.05432	\$208,466
Oct	7,158	1,750,581	1,938,142	\$379.47	\$3.61	\$0.00260	\$0.01492	\$0.03360	\$195,404
Nov	7,524	1,531,461	1,844,760	\$379.47	\$3.61	\$0.00260	\$0.01492	\$0.03360	\$181,687
Dec	7,432	1,116,798	1,694,888	\$379.47	\$3.61	\$0.00260	\$0.01492	\$0.03360	\$153,995
Totals	(A)	(B)	(C)	(D)	(E)	(F)			(G)
	89,598	18,628,764	25,186,128	\$4,554	\$3.61	\$0.00260			\$2,428,301
								Total Cost in Cents per kWh	
								(G)/((B)+(C))*100	5.54
								Delivery Service Cost in Cents per kWh	
								((D)+(A)*(E)+((B)+(C))*(F))/((B)+(C))*100	1.01

(III)									
SAMPLE CALCULATION UNDER DELIVERY SERVICE AND MARKET VALUE ENERGY CHARGES FOR 2004-2005									
CTCs with Mitigation Factors before and after January 1, 2005, Current DS Charges and Market Value Energy Charges filed April 11, 2002 Increased 44%									
Peak Demand (kW)	On Peak Energy (kWh)	Off Peak Energy (kWh)	Customer and Metering Charge	Distribution Facilities Charge \$/kW	Transmission Service Charge \$/kWh	CTCs	Market Value On Peak	Market Value Off Peak	Total Bill
Jan	7,144	1,422,238	2,100,195	\$379.47	\$3.61	\$0.00802	\$0.04032	\$0.02832	\$180,401
Feb	7,211	1,258,868	2,134,025	\$379.47	\$3.61	\$0.00802	\$0.04032	\$0.02832	\$173,636
Mar	7,233	1,308,434	2,463,767	\$379.47	\$3.61	\$0.00802	\$0.04032	\$0.02832	\$189,081
Apr	7,329	1,447,675	2,054,777	\$379.47	\$3.61	\$0.00802	\$0.04032	\$0.02832	\$180,594
May	7,365	1,733,994	1,983,784	\$379.47	\$3.61	\$0.00802	\$0.04032	\$0.02832	\$192,545
Jun	7,831	1,769,069	2,124,978	\$379.47	\$3.61	\$0.00865	\$0.06519	\$0.02379	\$238,337
Jul	7,881	1,783,410	2,497,907	\$379.47	\$3.61	\$0.00865	\$0.06519	\$0.02379	\$252,680
Aug	7,988	1,961,791	2,472,856	\$379.47	\$3.61	\$0.00865	\$0.06519	\$0.02379	\$265,823
Sep	7,502	1,544,445	1,876,049	\$379.47	\$3.61	\$0.00865	\$0.06519	\$0.02379	\$211,256
Oct	7,158	1,750,581	1,938,142	\$379.47	\$3.61	\$0.00865	\$0.04032	\$0.02832	\$193,188
Nov	7,524	1,531,461	1,844,760	\$379.47	\$3.61	\$0.00865	\$0.04032	\$0.02832	\$179,517
Dec	7,432	1,116,798	1,694,888	\$379.47	\$3.61	\$0.00865	\$0.04032	\$0.02832	\$151,870
Totals	(A)	(B)	(C)	(D)	(E)	(F)			(G)
	89,598	18,628,764	25,186,128	\$4,554	\$3.61	\$0.00865			\$2,408,928
								Total Cost in Cents per kWh	
								(G)/((B)+(C))*100	5.50
								Delivery Service Cost in Cents per kWh	
								((D)+(A)*(E)+((B)+(C))*(F))/((B)+(C))*100	1.01

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Sample Calculations for a Manufacturing Customer under Higher DS and MVEC Charges

(I)									
SAMPLE CALCULATION UNDER RATE 6L									
Peak Billing Demand (kW)	On Peak Energy (kWh)	Off Peak Energy (kWh)	Customer Charge	Demand Charge (less than 10 MW)	Peak Energy Charge	Off Peak Energy Charge	Total Bill		
Jan	7,013	1,422,238	2,100,195	\$246.39	\$12.85	\$0.05022	\$0.02123	\$206,375	
Feb	6,939	1,258,868	2,134,025	\$246.39	\$12.85	\$0.05022	\$0.02123	\$197,939	
Mar	7,209	1,308,434	2,463,767	\$246.39	\$12.85	\$0.05022	\$0.02123	\$210,894	
Apr	7,239	1,447,675	2,054,777	\$246.39	\$12.85	\$0.05022	\$0.02123	\$209,599	
May	7,313	1,733,994	1,983,784	\$246.39	\$12.85	\$0.05022	\$0.02123	\$223,416	
Jun	7,734	1,769,069	2,124,978	\$246.39	\$16.41	\$0.05022	\$0.02123	\$261,111	
Jul	7,861	1,783,410	2,497,907	\$246.39	\$16.41	\$0.05022	\$0.02123	\$271,841	
Aug	7,870	1,961,791	2,472,856	\$246.39	\$16.41	\$0.05022	\$0.02123	\$280,418	
Sep	7,413	1,544,445	1,876,049	\$246.39	\$16.41	\$0.05022	\$0.02123	\$239,292	
Oct	7,152	1,750,581	1,938,142	\$246.39	\$12.85	\$0.05022	\$0.02123	\$221,212	
Nov	7,502	1,531,461	1,844,760	\$246.39	\$12.85	\$0.05022	\$0.02123	\$212,717	
Dec	7,289	1,116,798	1,694,888	\$246.39	\$12.85	\$0.05022	\$0.02123	\$185,973	
(A)		(B)					(C)	Cost in Cents per kWh	
Totals		18,628,764	25,186,128					\$2,720,788	$(C)/[(A)+(B)]*100$
								6.21	

(II)										
SAMPLE CALCULATION UNDER DELIVERY SERVICE AND MARKET VALUE ENERGY CHARGES FOR 2003-2004										
CTC with January 1, 2003 Mitigation Factor, Higher DS Charges and Market Value Energy Charges filed April 11, 2002 Increased 20%										
Peak Demand	On Peak	Off Peak	Customer and	Distribution	Transmission		Market Value	Market Value		
(kW)	Energy (kWh)	Energy (kWh)	Metering	Facilities	Service Charge		On Peak	Off Peak	Total Bill	
			Charge	Charge \$/kW	\$/kWh	CTC				
Jan	7,144	1,422,238	2,100,195	\$569.21	\$5.42	\$0.00520	\$0.00842	\$0.03360	\$0.02360	\$184,619
Feb	7,211	1,258,868	2,134,025	\$569.21	\$5.42	\$0.00520	\$0.00842	\$0.03360	\$0.02360	\$178,524
Mar	7,233	1,308,434	2,463,767	\$569.21	\$5.42	\$0.00520	\$0.00842	\$0.03360	\$0.02360	\$193,257
Apr	7,329	1,447,675	2,054,777	\$569.21	\$5.42	\$0.00520	\$0.00842	\$0.03360	\$0.02360	\$185,129
May	7,365	1,733,994	1,983,784	\$569.21	\$5.42	\$0.00520	\$0.00842	\$0.03360	\$0.02360	\$196,203
Jun	7,831	1,769,069	2,124,978	\$569.21	\$5.42	\$0.00520	\$0.00842	\$0.05432	\$0.01982	\$234,264
Jul	7,881	1,783,410	2,497,907	\$569.21	\$5.42	\$0.00520	\$0.00842	\$0.05432	\$0.01982	\$247,979
Aug	7,988	1,961,791	2,472,856	\$569.21	\$5.42	\$0.00520	\$0.00842	\$0.05432	\$0.01982	\$259,838
Sep	7,502	1,544,445	1,876,049	\$569.21	\$5.42	\$0.00520	\$0.00842	\$0.05432	\$0.01982	\$208,895
Oct	7,158	1,750,581	1,938,142	\$569.21	\$5.42	\$0.00520	\$0.00842	\$0.03360	\$0.02360	\$194,163
Nov	7,524	1,531,461	1,844,760	\$569.21	\$5.42	\$0.00520	\$0.00842	\$0.03360	\$0.02360	\$182,328
Dec	7,432	1,116,798	1,694,888	\$569.21	\$5.42	\$0.00520	\$0.00842	\$0.03360	\$0.02360	\$156,672
(A)	(B)	(C)	(D)	(E)	(F)				(G)	
Totals	89,598	18,628,764	25,186,128	\$6,831						\$2,421,872
				\$5.42	\$0.00520					
Total Cost in Cents per kWh										
$(G)/[(B)+(C)]*100$										
5.53										
Delivery Service Cost in Cents per kWh										
$[(D)+(A)*(E))+[(B)+(C)]*(F)/[(B)+(C)]*100$										
1.64										

(III)

SAMPLE CALCULATION UNDER DELIVERY SERVICE AND MARKET VALUE ENERGY CHARGES FOR 2004-2005

CTCs with Mitigation Factors before and after January 1, 2005, Higher DS Charges and Market Value Energy Charges filed April 11, 2002 Increased 44%

	Peak Demand (kW)	On Peak Energy (kWh)	Off Peak Energy (kWh)	Customer and Metering Charge	Distribution Facilities Charge \$/kW	Transmission Service Charge \$/kWh	CTCs	Market Value On Peak	Market Value Off Peak	Total Bill
Jan	7,144	1,422,238	2,100,195	\$569.21	\$5.42	\$0.00520	\$0.00152	\$0.04032	\$0.02832	\$179,785
Feb	7,211	1,258,868	2,134,025	\$569.21	\$5.42	\$0.00520	\$0.00152	\$0.04032	\$0.02832	\$173,645
Mar	7,233	1,308,434	2,463,767	\$569.21	\$5.42	\$0.00520	\$0.00152	\$0.04032	\$0.02832	\$187,651
Apr	7,329	1,447,675	2,054,777	\$569.21	\$5.42	\$0.00520	\$0.00152	\$0.04032	\$0.02832	\$180,389
May	7,365	1,733,994	1,983,784	\$569.21	\$5.42	\$0.00520	\$0.00152	\$0.04032	\$0.02832	\$191,567
Jun	7,831	1,769,069	2,124,978	\$569.21	\$5.42	\$0.00520	\$0.00215	\$0.06519	\$0.02379	\$237,514
Jul	7,881	1,783,410	2,497,907	\$569.21	\$5.42	\$0.00520	\$0.00215	\$0.06519	\$0.02379	\$250,438
Aug	7,988	1,961,791	2,472,856	\$569.21	\$5.42	\$0.00520	\$0.00215	\$0.06519	\$0.02379	\$263,175
Sep	7,502	1,544,445	1,876,049	\$569.21	\$5.42	\$0.00520	\$0.00215	\$0.06519	\$0.02379	\$211,685
Oct	7,158	1,750,581	1,938,142	\$569.21	\$5.42	\$0.00520	\$0.00215	\$0.04032	\$0.02832	\$191,947
Nov	7,524	1,531,461	1,844,760	\$569.21	\$5.42	\$0.00520	\$0.00215	\$0.04032	\$0.02832	\$180,158
Dec	7,432	1,116,798	1,694,888	\$569.21	\$5.42	\$0.00520	\$0.00215	\$0.04032	\$0.02832	\$154,547
	(A)	(B)	(C)	(D)	(E)	(F)				(G)
Totals	89,598	18,628,764	25,186,128	\$6,831	\$5.42	\$0.00520				\$2,402,499

Total Cost in Cents per kWh

$(G)/[(B)+(C)]*100$

5.48

Delivery Service Cost in Cents per kWh

$[(D)+(A)*(E))+[(B)+(C)]*[(F)/[(B)+(C)]]*100$

1.64